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Abstract #7023

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Interim Results from the ELiPSE-1 Study: A Phase 1, Multicenter, Open-Label Study of **CNTY-101** in Subjects with Relapsed or Refractory CD19-Positive B-Cell Malignancies

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CNTY-101 aims to deliver durable responses in R/R B-cell NHL via repeat dosing facilitated by Allo-Evasion[™]



MCB

- Autologous CD19 CAR-T is curative in 40 percent of patients
- Autologous CD19 CAR-T access is limited and/or can fail in manufacturing as quality is dependent on patientderived starting material
- Limited options and poor prognosis for patients who fail autologous CAR-T
- Off-the-shelf product offers immediate access and consistency
- Multiple doses to increase pharmacological pressure to increase durability
- Host rejection addressed by Allo-Evasion[™] edits

R/R: relapsed or refractory, NHL: non-Hodgkin lymphoma, CAR-T: chimeric antigen receptor T cell therapy, iPSC: induced pluripotent stem cell, MCB: master cell bank

Baseline disease characteristics

Heavily pre-treated R/R B-NHL patients treated across 7 sites

	N=12 safety evaluable
Median Age (range, years)	70 (60-76)
Male, n (%)	9 (75)
NHL subtype, n (%)	
DLBCL	7 (58)
HRFL	1 (8)
MCL	2 (17)
MZL	2 (17)
Prior therapies, median (range)	4 (2-5)
Response to last line of treatment	
Relapsed	3 (25)
Refractory	9 (75)
Received prior autologous CAR-T	3(25)
If no, why	
Manufacturing fail	1
Not eligible	3
Not willing to wait	4 ²
Financial or reimbursement constraints	1

As of 27 March 2024 data cutof date, data collection ongoing

CNTY-101 rapidly traffics out of circulation and persists in extravascular space



CNTY-101 has limited duration in circulation; maximum concentration is observed at Day 1 post-infusion

Transgene copies per µg genomic DNA were determined using ddPCR with primers targeting transgene and RPP30. Data is shown for initial cycle across subjects at each dose level; mean ± SD. LLOQ is 5 copies.

CNTY-101 persistence is detected via cell-free DNA¹ on Day 3 and beyond

Transgene copies per mL of plasma were determined using ddPCR. Data is shown for initial cycle across subjects at each dose level; mean ± SD (error bar: low values are truncated at 0.1). Positivity values are determined to be significantly above LOB using two sample Poisson test, p < 0.05.

¹Cell-free DNA has short half-life in circulation, ranging from minutes to hours (Khier and Lohan, Future Science 2018)

S: screen, ddPCR: droplet digital PCR, RPP30: Ribonuclease P protein subunit p30, LOB: limit of blank, SD: standard deviation, LLOQ: lower limit of quantification

